



## SUPPLEMENTARY EUROPEAN SEARCH REPORT

Application number:  
EP 22 85 57 16

Classification of the application (IPC):  
H01L 27/146

Technical fields searched (IPC):  
H01L

| DOCUMENTS CONSIDERED TO BE RELEVANT |   |                         |
|-------------------------------------|---|-------------------------|
| Category                            | Citation of document with indication, where appropriate, of relevant passages   | Relevant to claim       |
| X                                   | US 2015129943 A1 (KATO NANAKO [JP] ET AL)<br>14 May 2015 (2015-05-14)<br>* paragraphs [0068] - [0069]; figures 2-6 *                                | 1-13                    |
| X                                   | US 2019237499 A1 (ROY FRANCOIS [FR]) 01 August 2019 (2019-08-01)<br>* paragraphs [0002], [0044], [0050]; figures 2A-2B, 3, 4A-4B, 7A-7B, 8A-8B<br>* | 1-3, 5, 8, 9,<br>12, 13 |

The supplementary search report has been based on the last set of claims valid and available at the start of the search.

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|------------------------------|---|--------------------------|
| Place of search<br>The Hague | Date of completion of the search<br>30 September 2024 | Examiner<br>Cabrita, Ana |
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### CATEGORY OF CITED DOCUMENTS

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|---|--|
| X: particularly relevant if taken alone   | P: intermediate document   |
| Y: particularly relevant if combined with another document of the same category | T: theory or principle underlying the invention                        |
| A: technological background   | E: earlier patent document, but published on, or after the filing date |
| O: non-written disclosure   | D: document cited in the application                                   |
| & : member of the same patent family, corresponding document                    | L: document cited for other reasons                                    |

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## ANNEX TO SUPPLEMENTARY EUROPEAN SEARCH REPORT

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EP 22 85 57 16

This annex lists the patent family members relating to the patent documents cited in the above-mentioned European search report. The members are as contained in the European Patent Office EDP file on 30-09-2024  
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| Patent document cited<br>in search report | Publication<br>date | Patent family<br>member(s) | Publication<br>date |
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